GRAPHOLAS 10.3

USER MANUAL

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ESKO

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1 Important Note

The CDI needs a constant flow of data for the imaging process. In order to avoid any disturbances, the "Merger" cannot be used during this time.

In most cases, a cancellation of the imaging process causes the loss of the plate for which ESKO cannot be held responsible.

2 Antivirus Software on CDI Machines

Each CDI is equipped at the factory with the antivirus software "Microsoft Essential". The settings are already selected so that the function of the CDI will not be impaired.

In case the CDI is not connected to the internet, this software must be updated manually.

- Current version of "Microsoft Essential":

  http://www.microsoft.com/Security_essentials/default.aspx?mkt=en-gb

- Current version of virus database (update each week):

  http://download.microsoft.com/download/DefinitionUpdates/mpam-fe.exe

In case a different antivirus software is used, the following settings must be checked and adjusted, if needed:

- The directories "C:\bsl\run" and "d:\data" may not be monitored.
- LEN files may not be monitored.
- The processes "cmot.exe", "gravur.dma.exe" and "gravur.job.exe" may not be monitored.

The software "AV-Antivir" is not recommended as when using this software, it considered parts of the Grapholas software to be a virus and deleted them.

3 First Start-up of the Software

LEN and TIF files are prepared for exposure on a CDI using the "Merger". It positions the images on the printing plate and can also rotate, mirror, crop, and invert the images as required.

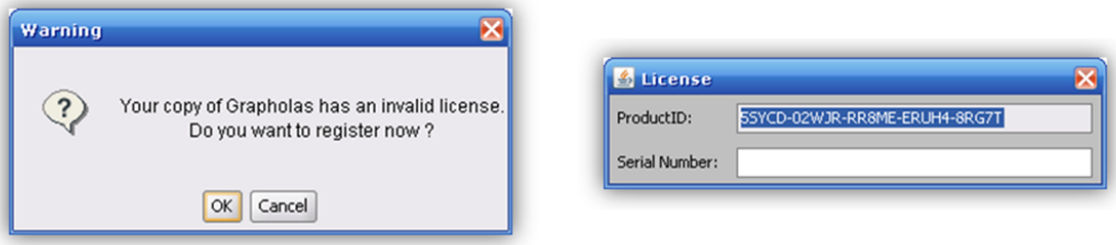
The "Viewer" is used to display and measure the LEN/TIF files. The angle and the rasterization can also be measured.

The "Exposer" controls the CDI with the jobs prepared by the "Merger".

All important settings are copied over during an update. If the software is being installed for the first time, the network settings must be set.

3.1 Entering the License Key

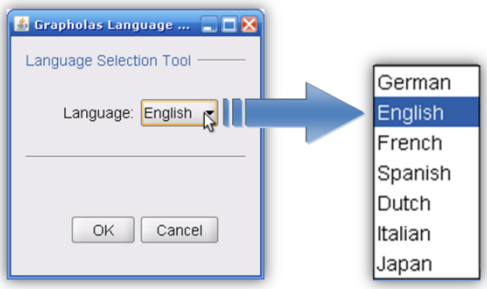
During initial installation or when updating from an older version, the license key must be entered to start the *"Merger"*:



The ESKO-Service provides a serial number for this *"ProductID"* which needs to be entered in the *"Serial Number"* field and confirmed by ENTER. The license can be subsequently changed with the *"New License"* program in the Windows Start Menu under "Esko - Digital Flexo Suite - System".

3.2 Setting the Language

In the "Merger", the language can be changed under *"Edit – Change language"*:



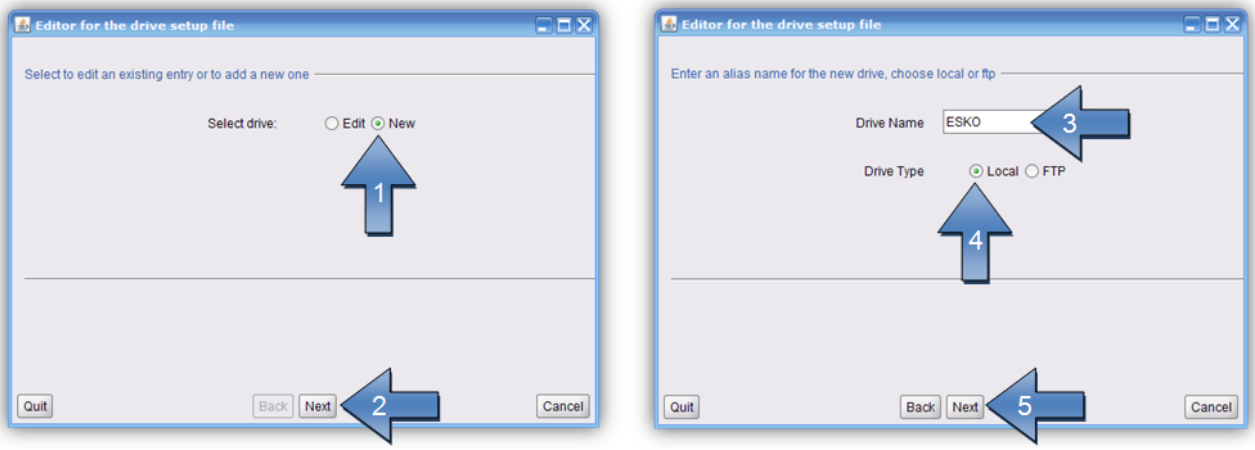
4 Managing Data Sources

The image data can be loaded from the local hard drive, over a network release, or via FTP. With regard to data security, transmission via FTP protocol is to be preferred over network release.

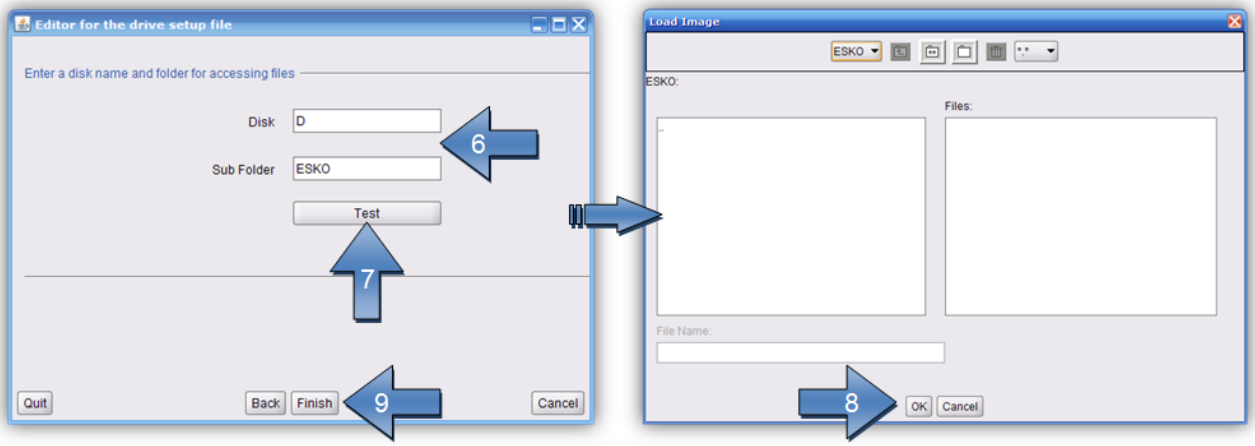
The path entered during installation for the *"User Data"* is already released as a network drive. Additional data sources can be set up under "Edit – Data Source".

4.1 Adding a Local Data Source

Local data sources can be located on the hard drive of the computer or accessible in the network via "share" function.



The name of the data source *"Drive Name"* (3) will be shown later in the "Load" dialogue.

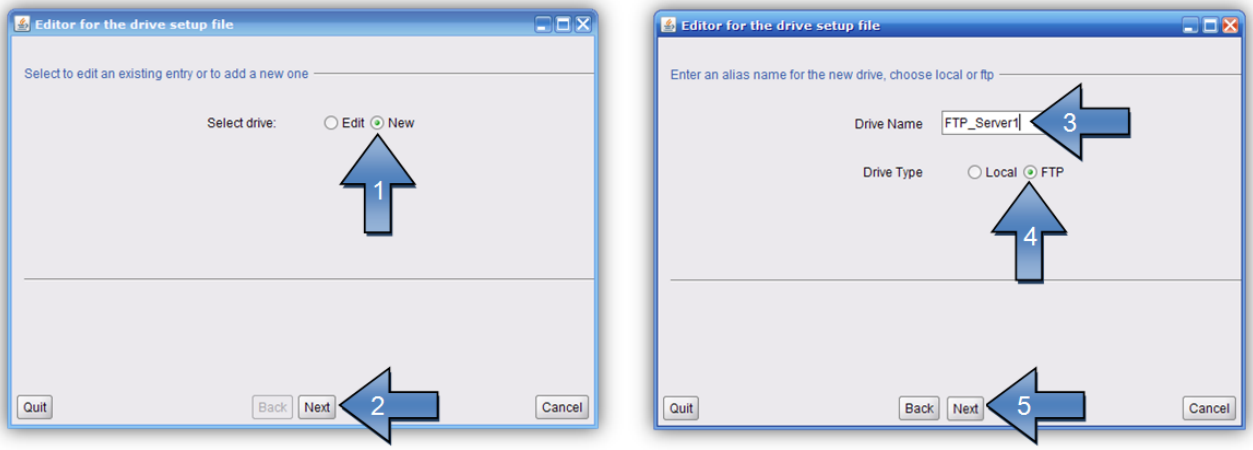


"Disk" and *"Sub Folder"* (6) designate the drive letter and the directory containing the data.

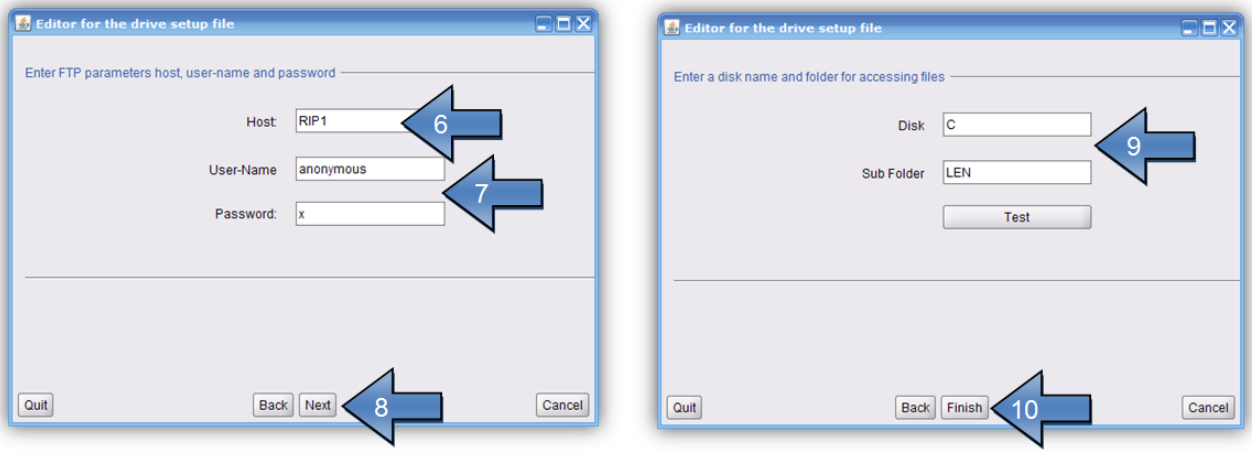
Clicking "Test" (7) opens a new window with the data source set up. "Finish" (9) completes the process. You can always switch to the previous page by pressing *"Back"*.

4.2 Adding an FTP Data Source

The FTP server of the data source requires a virtual directory. For a detailed installation manual, refer to *"Digital Flexo Suite 101 Installation"*.



The name of the data source *"Drive Name"* (3) will be shown later in the "Load" dialogue.



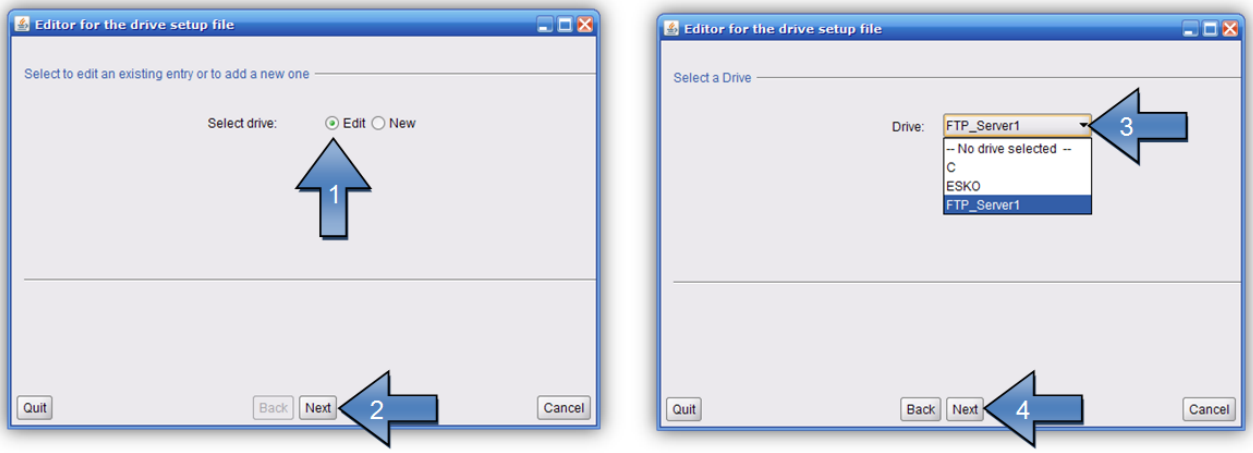
Enter the IP address or the network name in the *"Host"* field (6). Enter the *"User-Name"* (7) and the *"Password"* (7) as shown in the illustration if the FTP server was installed as specified.

"Disk" and *"Sub Folder"* (9) designate the virtual drive and the directory containing the data. Should no virtual directory be available, leave the *"Disk"* field empty.

Clicking "Test" opens a new window with the data source set up. "Finish" completes the process. You can always switch to the previous page by pressing *"Back"*.

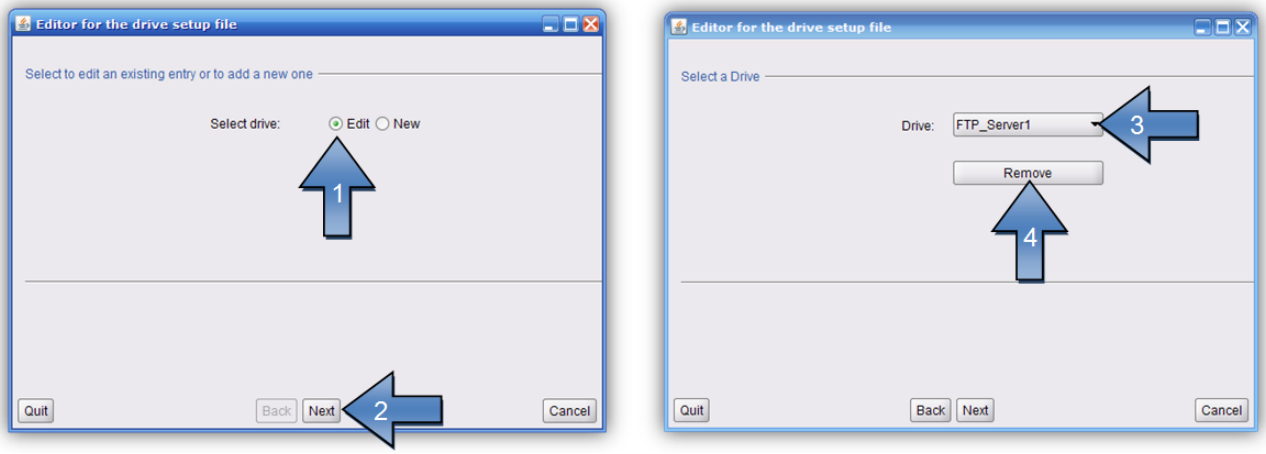
4.3 Changing an Entry

The settings of the data source can be subsequently changed.



After selecting the *"Drive"* (3), you can change the following settings.

4.4 Deleting an Entry



After selecting the *"Drive"* (3), you can remove it by pressing *"Remove"* (4).

4.5 Saving Settings

Exiting via *"Quit"*, a new window opens requesting whether you want to overwrite the current settings.

Pressing *"OK"* saves the current settings.

5 Working with Interchangeable Lenses (Optional)

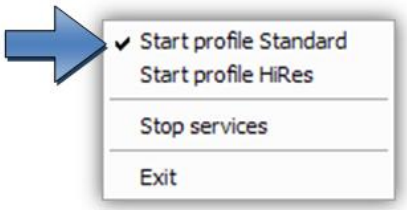
Optionally, the CDI can be equipped with interchangeable lenses. This allows you to use two different resolutions like "Standard" and "HiRes" or "HiRes" and "Secuflex".

Here, the software makes use of two profiles which must be selected when starting the service. The optics automatically configures the according lens system. An Esko technician sets up the system.

IMPORTANT: The jobs are saved separately for each profile. In case you want to send jobs from a PlatePrep, you need to select the correct profile first.

5.1 Starting the Service

As before, you must start the service manually after switching on the CDI. The service menu provides an overview of the existing profiles:

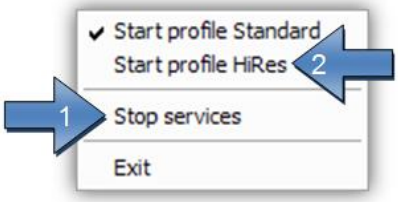


The service is started by clicking on the desired profile.

The checkmark in front of the profile indicates that this profile is active even though the service has not been started yet.

5.2 Changing to Another Profile

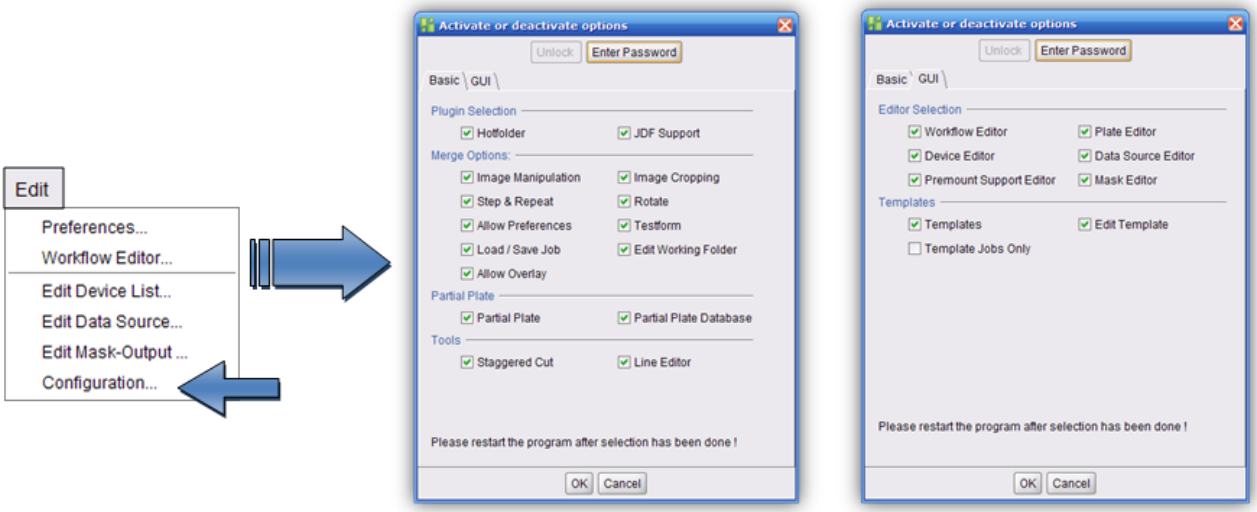
In order to change the profile, the service must be stopped first (1). Before stopping the service, close the "Merger" and the "Exposer".



The service is started again by clicking on the new profile.

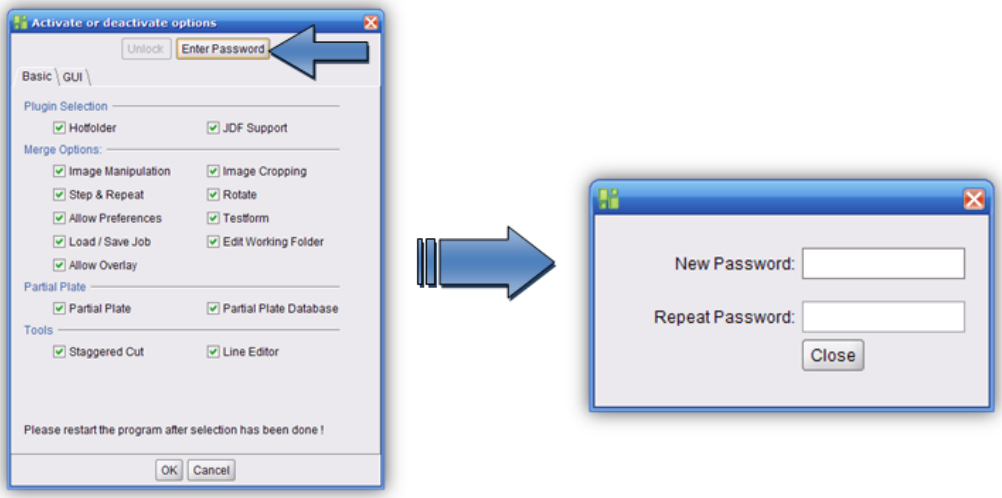
6 Adjusting the "Merger" User Interface

The user interface and some of the functions of the "Merger" can be adjusted individually and protected with a password:



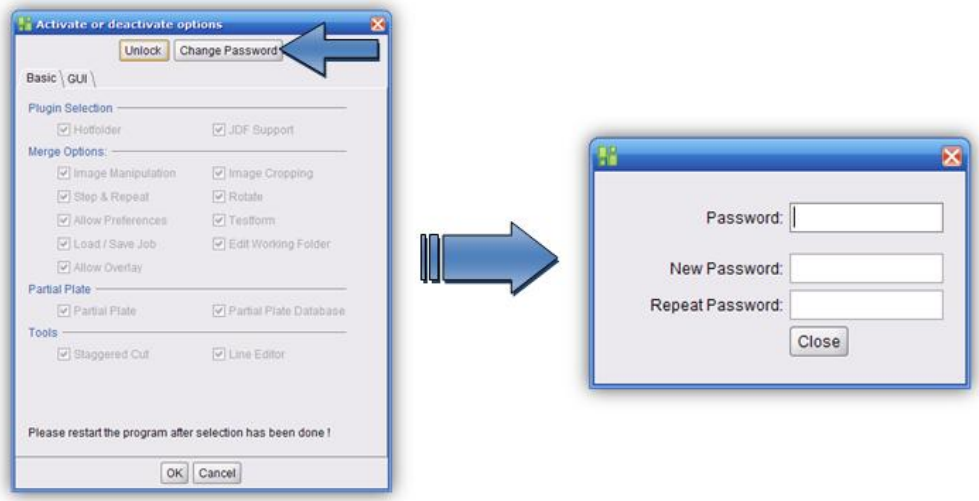
6.1 Password-Protecting Functions

Left-clicking on *"Enter Password"* opens a new window in which the password is entered twice and confirmed with *"Close"*:



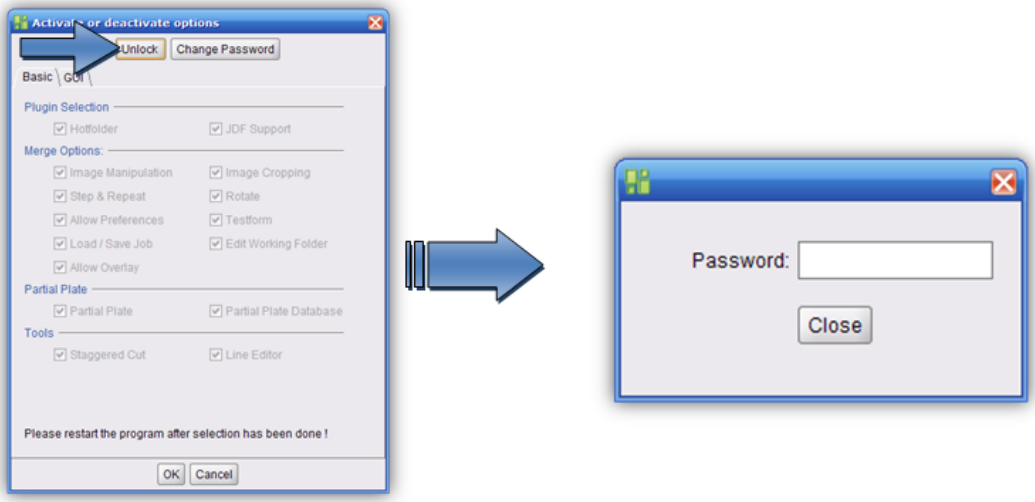
6.2 Changing the Password

Left-clicking on *"Change Password"* opens a new window in which the current password is entered once and the new password is entered twice. "Close" confirms the input:



6.3 Entering a Password to Change Settings

Left-clicking on *"Unlock"* opens a new window in which the current password is entered. "Close" confirms the input and enables the input mask:

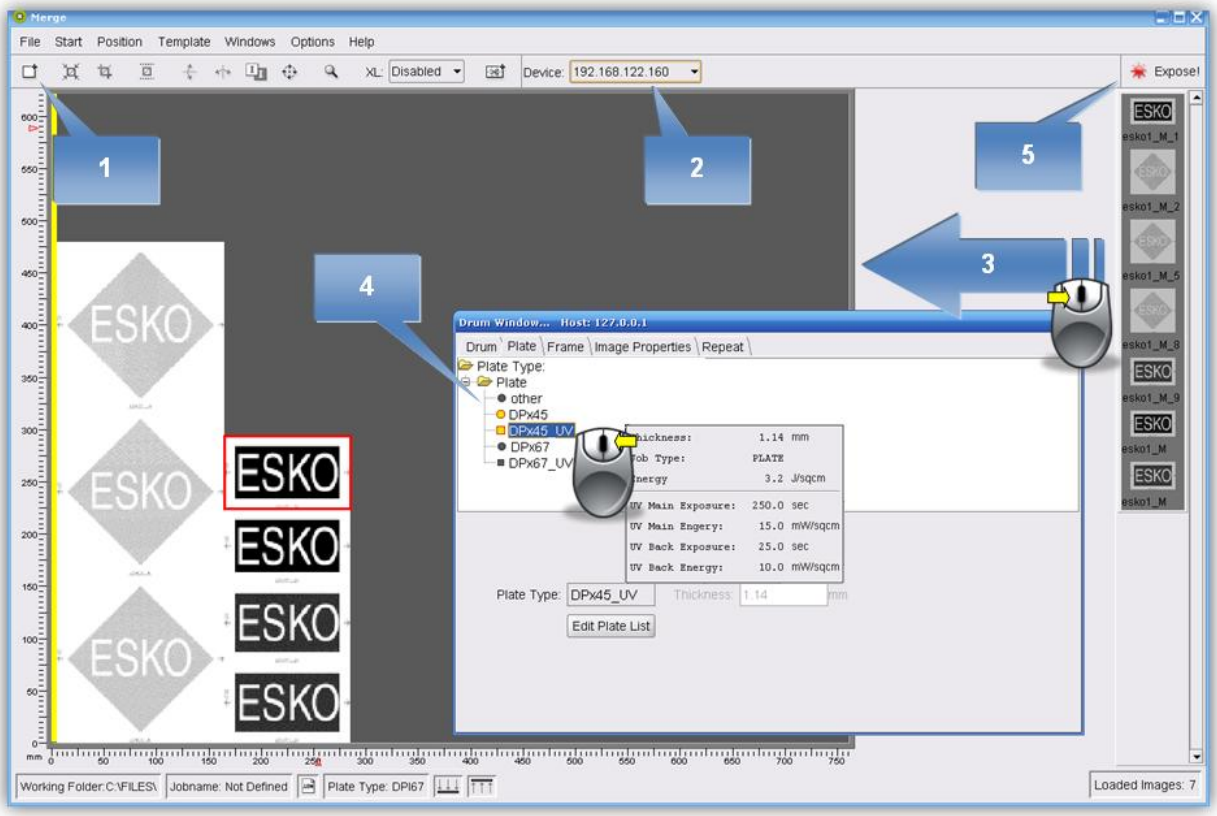


7 Merger

The *"Merger"* is used to load the image data from the local hard drive or from the network and to send it to the CDI.

In addition, simple tools such as "mirror", "crop" and "rotate" are available.

7.1 Quick Start



1 Start the "Merger" and load the required images. They are displayed in the image gallery (on the right).

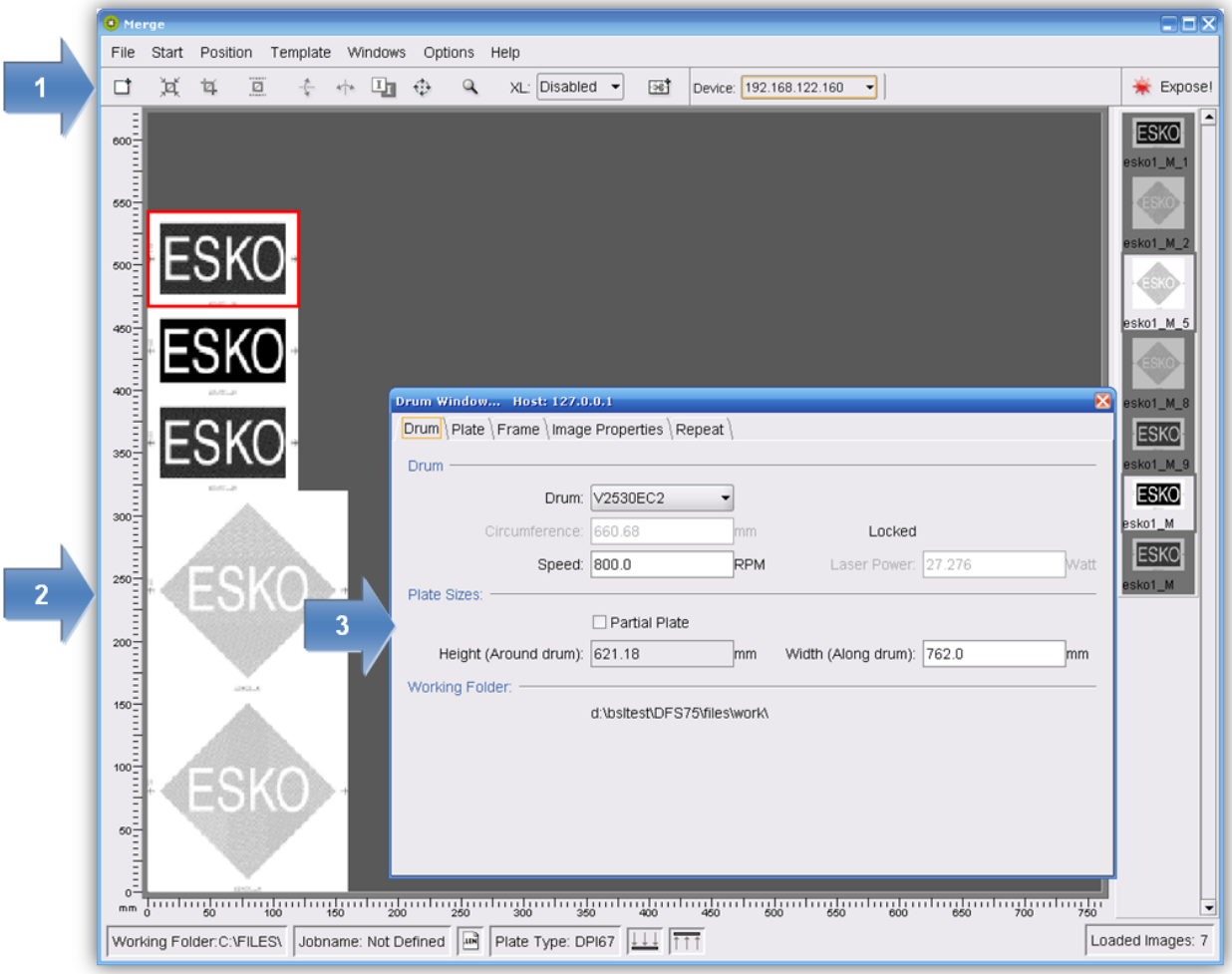
3 Position the images on the working surface. Right-click on the images or the working surface to display additional information.

4 Select the required plate. Right-click on the plate to display additional information. The preset speed and performance are displayed. This is not required for TIF output.

5 Send the job to the CDI.

7.2 The User Interface

The "Merger" can be divided into three areas:



Area 1: menu bar / toolbar with icons for the most important options

Area 2: working surface on which the images are positioned and status bar

Area 3: *"Drum Window"* for setting the exposure parameters

In case you do not see all icons, you can activate them in the *"Edit – Preferences - Merge Options"* menu.

7.2.1 Toolbar

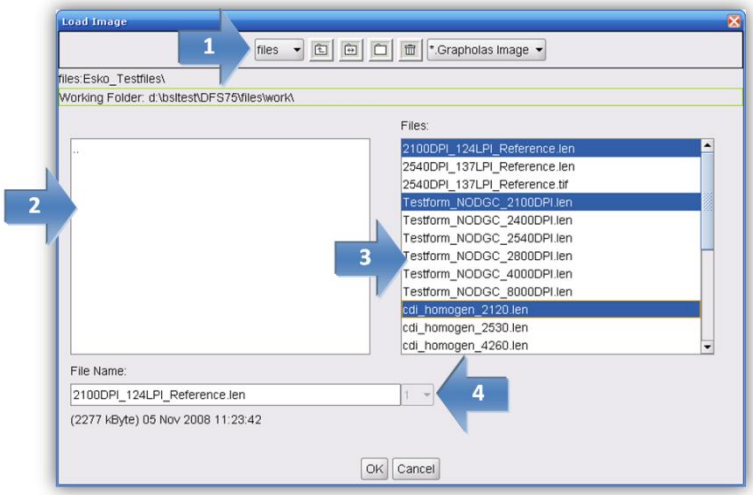
This area contains frequently used functions:

If some required functions are not displayed, they can be activated in the basic settings.

7.2.2 Loading Images

Ctrl + E

calls up a file dialog box in which the LEN or TIF files can be selected.



1. Selection of network share (for example, FTP server).

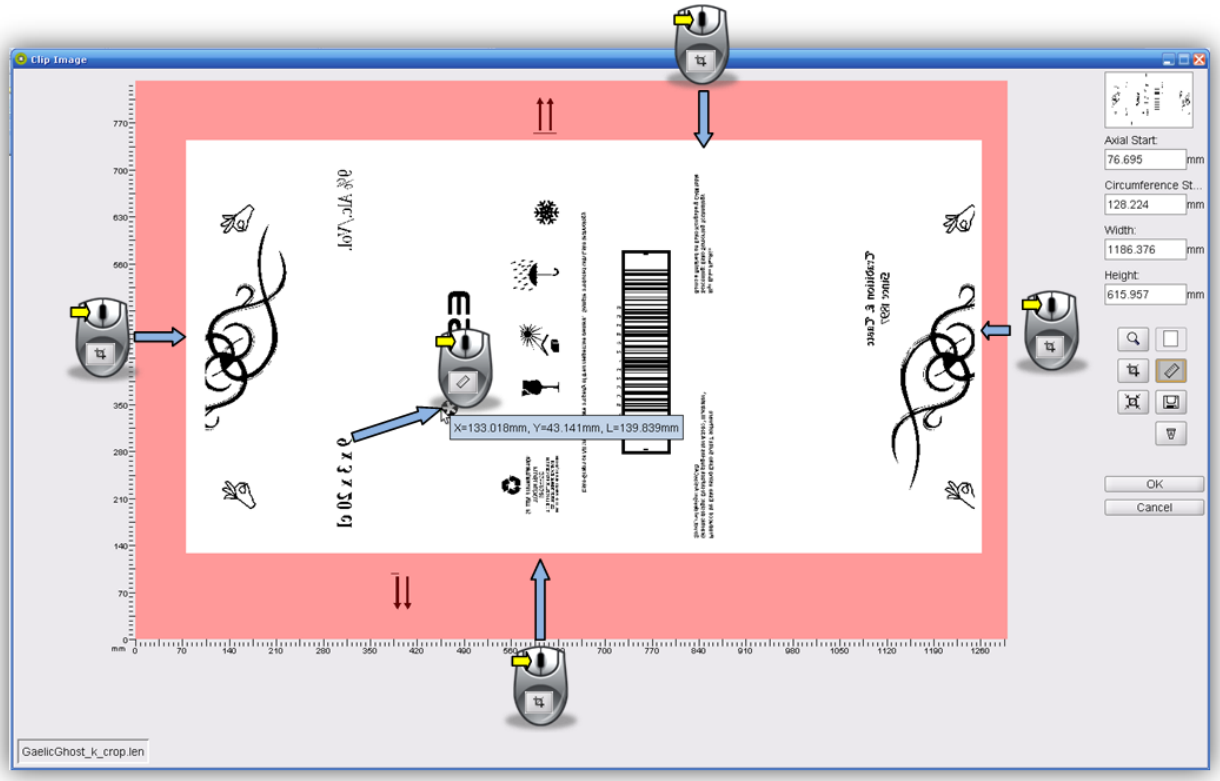
2. Display of directories.

3. Display of files.
   By pressing the *"Control"* or the CAPS button together with the left mouse button, several files can be marked simultaneously; they can then be loaded by pressing *"OK"*. Single files can directly be loaded by double-clicking them.

4. If only one file is selected, you can select how often this file shall be loaded.

7.2.3 Manual Cropping

opens a new window in which the image can be cropped:



Starting from the frame area, a lasso can be pulled open by pressing and holding down the left mouse button and pulling the mouse across the work surface; or the exact lasso size can be entered in the four input fields on the right-hand side (1).

The distance between two positions in the image can be measured by pressing and holding the left mouse button down.

Individual sections of the image can be enlarged with a square magnifier by pressing and holding down the left mouse button and pulling the mouse across the section of interest. The magnified image section can then be positioned using the arrow keys on the keyboard.

displays the entire image.

performs the automatic cropping.

sets back all cutting edges.

saves the current image section as a new LEN file.

Manual cropping is not available for LEN files of the *"PlatePatcher"* and the *"Staggered Cut"*.

7.2.4 Automatic Cropping

crops unused image frame areas. No new file is created.

The edge detection also takes individual pixels into account. By placing microdots in two separate positions (for example, top left and bottom right), this function can be used to crop the files to a specific size.

The distance to the *"Bleed"* pixels can be set in the "Merger" properties. If the image contains *"Staggered Cut"* information, the image is cropped on this cutting line.

Several files can be marked simultaneously by pressing the *"Control"* button together with the left mouse button to automatically crop these files.

Automatic cropping is not available for LEN files of the *"PlatePatcher"***.**

7.2.5 Mirroring

horizontally or vertically mirrors the selected image. A new file is created with a *"_ymir"* or an *"_xmir"* extension.

Depending on the file size, this can take some minutes.

Several files can be marked simultaneously by pressing the *"Control"* button together with the left mouse button to mirror these files.

Mirroring is not available for LEN files of the *"PlatePatcher"* and the *"Staggered Cut"*.

7.2.6 Inverting

creates a negative image of the selected image. A new file is created with the *"_inv"* extension. Depending on the file size, this can take some minutes.

Several files can be marked simultaneously by pressing the *"Control"* button together with the left mouse button to invert these files.

Inverting is not available for LEN files of the *"PlatePatcher"* and the *"Staggered Cut"*.

7.2.7 Rotating

rotates the image by 90°.

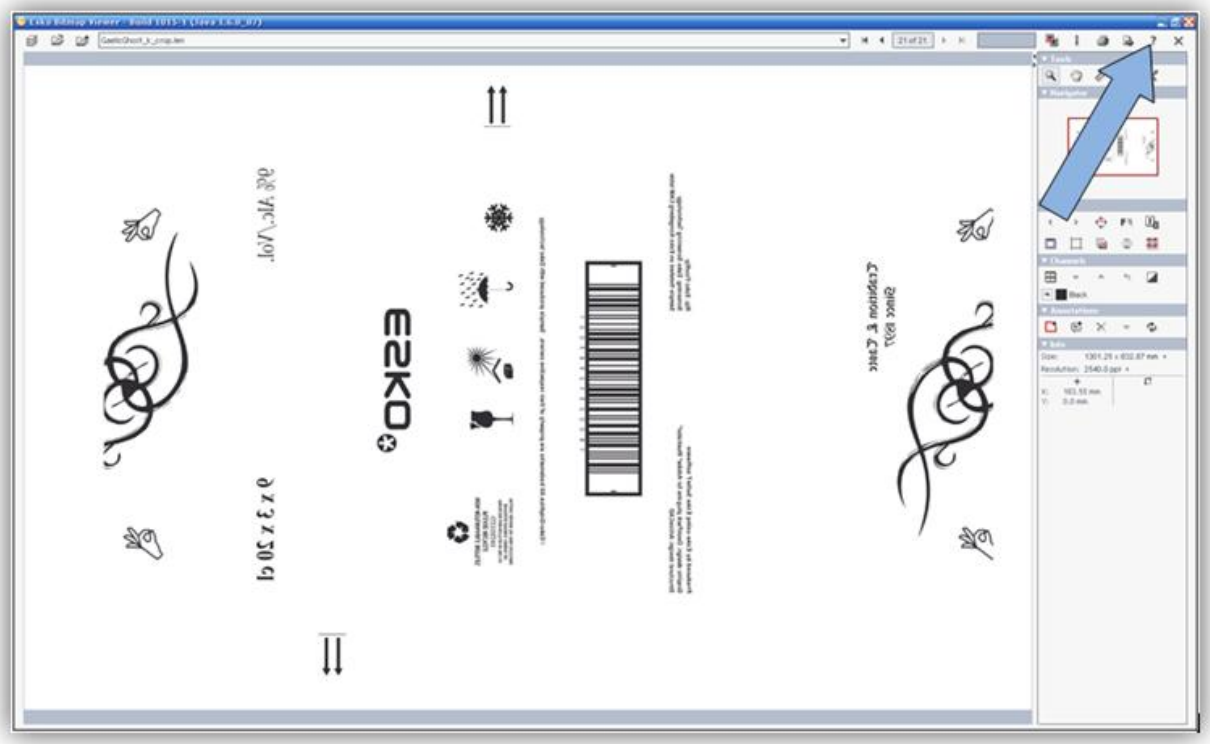
Several files can be marked simultaneously by pressing the *"Control"* button together with the left mouse button to rotate these files.

7.2.8 Viewing Images

opens the *"Viewer"*:

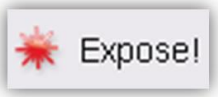
Several files can be marked simultaneously by pressing the *"Control"*button together with the left mouse button to view these files, each superimposed on top of the other, in the *"Viewer"*.

If the LEN file contains the carton cut or a "Plato Staggered Cut" contour, this information is shown additionally.



Click on the question mark *"?"* in the *"Viewer"* or open the installation CD to read the detailed manual.

7.2.9 Generating a Job

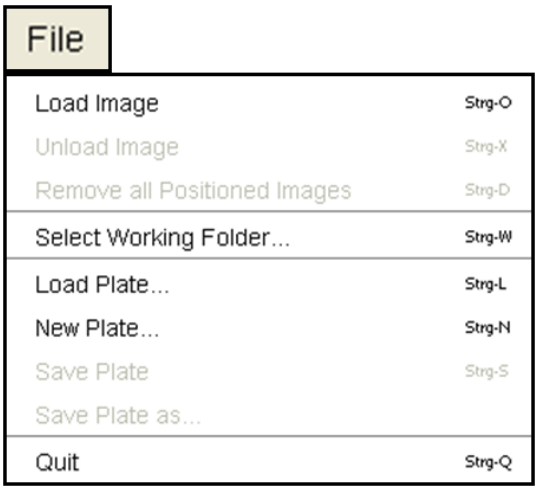


Ctrl + E

opens a dialog window in which the job name can be entered. Pressing *"OK"* sends the job.

7.3 Menu Bar

Only the additional functions which are not listed in the toolbar are described. The menu bar is situated above the toolbar.



7.3.1 Unloading Images

"Unload Image" (Ctrl + u) removes the selected image from the "Merger". The file is not deleted from the hard drive.

7.3.2 Unloading Positioned Images

"Remove All Positioned Images" (Ctrl + d) removes all images from the "Merger" which are positioned on the working surface. The files are not deleted from the hard drive. This is useful when the job was sent and several images are still in the queue.

7.3.3 Selecting the Working Directory

"Select Working Folder" (Ctrl + w) changes the working directory in which all images are copied or moved during the loading process. This option is not available if images are loaded.

7.3.4 Saving the Image Arrangement

"Save Plate" (Ctrl + s) saves the compiled images and the exposure parameters as plate. When the compiled images are sent to the CDI, the plate is automatically saved under the entered name.

"Save Plate as" saves the compilation under another name.

7.3.5 Loading the Image Arrangement

"Load Plate" (Ctrl + L) loads a previously saved or sent compilation with all parameters. All currently loaded images are removed.

7.3.6 Deleting the Image Arrangement

"New Plate" (Ctrl + n) removes all images from the "Merger" and resets the parameters.

7.3.7 Automatically Positioning Images

"Auto Arrange Images" (Ctrl + a) automatically positions as many loaded images as possible on the working surface. Beforehand, images which were already positioned on the working surface are removed. The type of positioning can be selected in the "Merger" properties.

7.3.8 Automatically Positioning New Images

"Auto Arrange New Images" (Ctrl + h) automatically adds the loaded images to the compilation on the working surface. Already positioned images are not removed.

7.3.9 Removing Images from the Working Surface

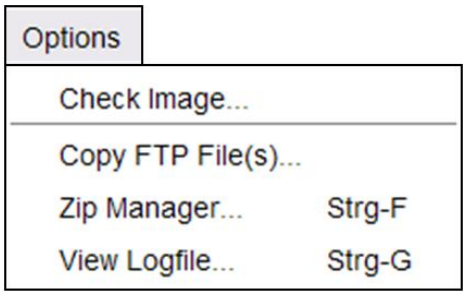
"Unplace all" (Ctrl + u) removes all images from the working surface. The images are not unloaded.

7.3.10 Displaying File Names

"Display Names" shows the file names in the images positioned on the working surface.

7.3.11 Displaying the Parameters Window

"Drum Window" displays the *"Drum Window"* if it was closed before. This window shows all exposure parameters.



7.3.12 Checking Images

"Check Image" checks the selected file for mistakes.

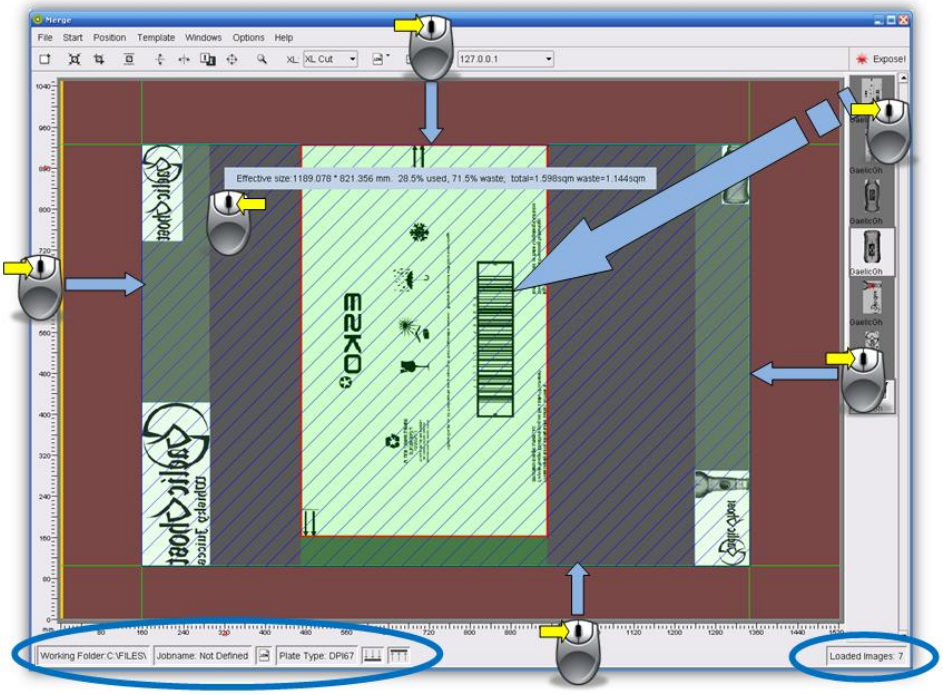
7.3.13 Copying Images

"Copy FTP File(s)" opens the same window as *"Load Image"* to copy the images into the working directory. This does not load the images into the "Merger".

7.4 Working Surface and Status Bar

The working surface shows the available area on the plate. If Grapholas version 7 is installed on the CDI, it is not necessary to enter the upper and lower borders as the entire working area is shown. If older versions are installed on the CDI, borders must be entered to not engrave the clamping bar.

The loaded images are pulled from the right queue on the working surface by holding down the left mouse button.


Effective size:1189.078 * 821.356 mm, 28.5% used, 71.5% waste, total=1.598sqm waste=1.144sqm
Working Folder:C:\FILES\
Jobname: Not Defined
Plate Type: DPI67
Loaded Images: 7

In addition, guides can be pulled from the grey frame area by holding down the left mouse button. The images cannot be positioned in the red area. The guide can be removed again by right-clicking on the grey frame area.

Right-clicking on the image file displays information on the image.

The status bar shows the current settings and the number of loaded images.

7.5 Displaying Plate Use

Using the right mouse button to click on the work surface displays information on the plate size and the use of the plate.

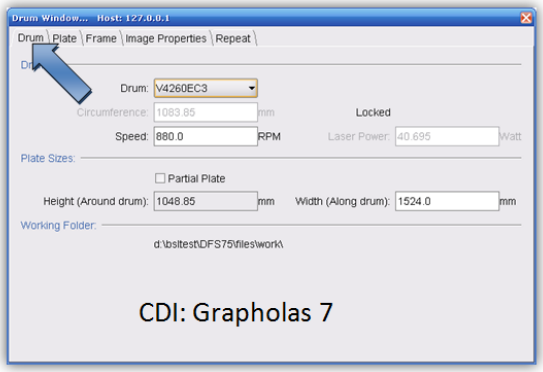
	Width: [mm]	Height: [mm]	Used [%]	Waste [%]	Used [sqm]	Waste [sqm]
Partial Plate	947.744	277.462	49.4	50.6	0.263	0.133
Full Plate	1000.0	800.0	16.2	83.8	0.8	0.67

The "Partial Plate" line shows the values for the marked area. The "Full Plate" line refers to the entire work area.

7.6 Setting the *"Drum Window"* Exposure Parameters

The *"Drum Window"* contains all necessary engraving parameters and additional settings for image repetitions and additional text / space between images.

As of version 7, each CDI has a drum list in which values such as circumference, width and maximum speeds can be entered. The circumference can no longer be changed with the "Merger". Borders need not to be entered since only the available working surface is displayed in the "Merger".



7.6.1 Selecting the Drum

"Drum:" selects the required drum if several drums (for example, Sleeve and Drum 5080) are registered on the CDI. This is only possible with Grapholas 7.

7.6.2 Setting the Drum Circumference

"Circumference" sets the drum circumference if a CDI is connected to Grapholas 6.2/5.5. Unintentional changing of this parameter results in faulty plates. It is advisable that the *"Lock circumference"* field be blocked in the basic settings.

7.6.3 Changing the Speed

"Speed" and ***"Laser power"*** directly influence the exposure on the CDI and are automatically set according to the plate list. The speed can be subsequently changed.

7.6.4 Partial Plates

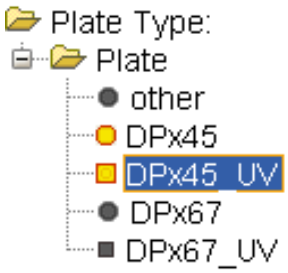
"Partial Plate:" is used to expose partial plates. The vacuum check on the CDI is deactivated. In addition, the speed is limited to a safe value depending on the plate thickness.

"Height" and *"Width"* are the heights and widths of the plate to be exposed.

7.6.5 Selecting the Plate

"Plate Type": is used to select the plate type. The *"Thickness"* is important here. The exposure parameters and the plate thickness are stored in this list.

Normal plates are marked with a circle and plates exposed with Inline UV are marked with a square.



The yellow point or square in front of the name of the plate symbolises control via the laser energy. The parameters for exposure are automatically set depending on the image resolution and the drum or the circumference of the drum or sleeve.

Only the plate types which fit the selected drum are displayed.

Pressing ***"Edit Plate List"*** opens a new window where you can delete, change, and create new plates. These processes are described in chapter ***"Managing plate list"***.

7.6.6 Setting the Frame

"Frames" are not required if Grapholas 7 is installed on the CDI. The process is explained in more detail during the training.

"Bottom" and ***"TOP"*** determine the upper and lower borders in mm.

"Left" and ***"Right"*** set the left and right borders.

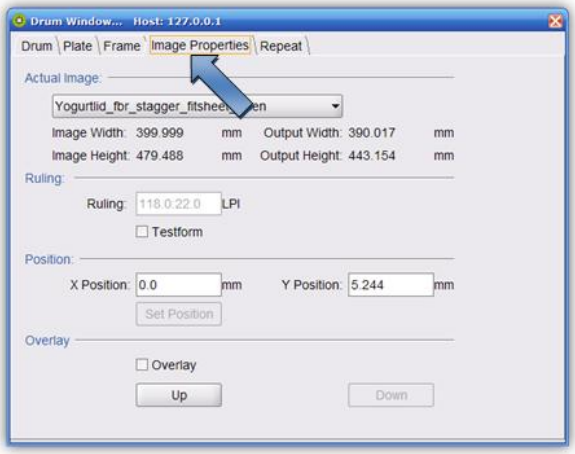
7.6.7 Setting the Image Distance and the Cut Marks

"Image distance" places a border around each positioned image.

"Insert cut marks" inserts cut marks for each image.

7.6.8 Adding a Label

"Label" adds a label to each marked image. ***"Vertical"*** rotates this label by 90° and positions it on the left side of the image. ***"Font"*** sets the font size.



7.6.9 Defining the Image Position

"X Position" and ***"Y Position"*** change the position of the selected image. ***"Set Position"*** is used to set the position of the image.

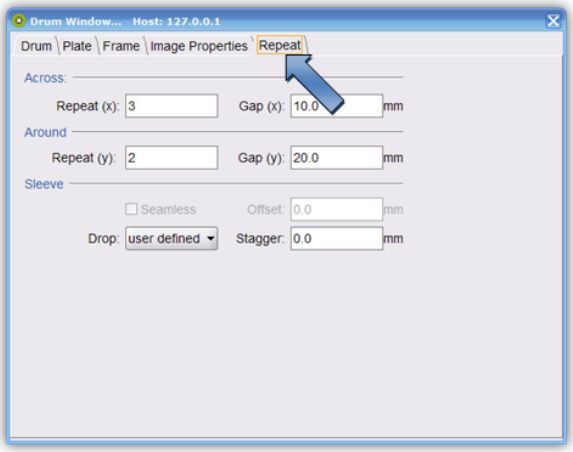
7.6.10 Overlaying Images

If you activate ***"Overlay"***, the images can also be placed one on top of the other.

7.6.11 Entering the Grid and the Angle Manually

The rasterization and the angle of the image can be entered using ***"Linecount..."*** if the image does not already have this information. Images without this information are marked in red on the working surface. ***"Testform"*** marks test wedges if these are not to be sent to the customer.

If highlighted in grey, these two fields are irrelevant for the selected CDI.



7.6.12 Arranging Images *("Step & Repeat")*

"Repeat (x)" and ***"Repeat (y)"*** set the number of repetitions in horizontal and vertical direction. ***"Gap (x)"*** and ***"Gap (y)"*** additionally add a gap between each repetition.

7.6.13 Gapless Sleeves

"Sleeve": This option is only available in the gapless exposure. For this purpose, a sleeve must be selected in the drum list or the sleeve option must be enabled by the service.

"Seamless" is used to prepare an image for the exposure on a sleeve. If the image is smaller than the circumference, a gap is automatically added. ***"Offset"*** moves the beginning of the image on the circumference. ***"Drop"*** and ***"Stagger"*** are only activated if an image was reproduced using the width (***"Step & Repeat"***).

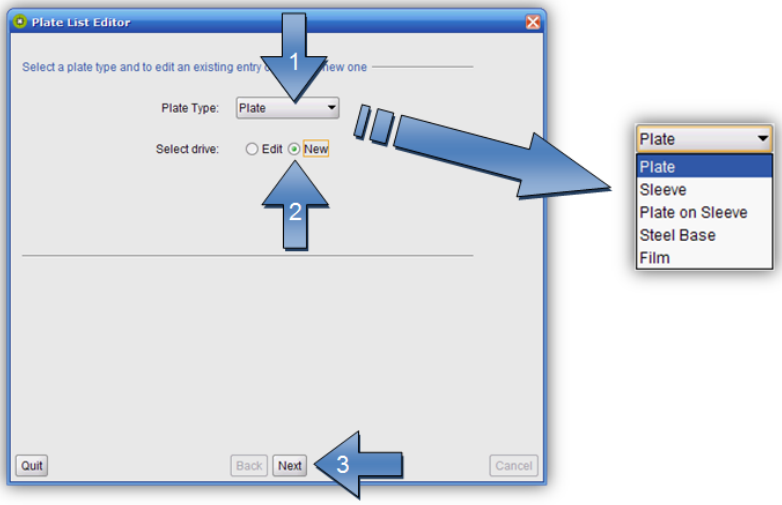
7.7 Managing the Plate List

"Edit Plate List" in ***"Drum Window"*** opens a new window where you can delete, change, and create new plates.

"Cancel" aborts the process – no data is changed. By pressing ***"Quit"***, the window is closed. ***"Next"*** shows the next window.

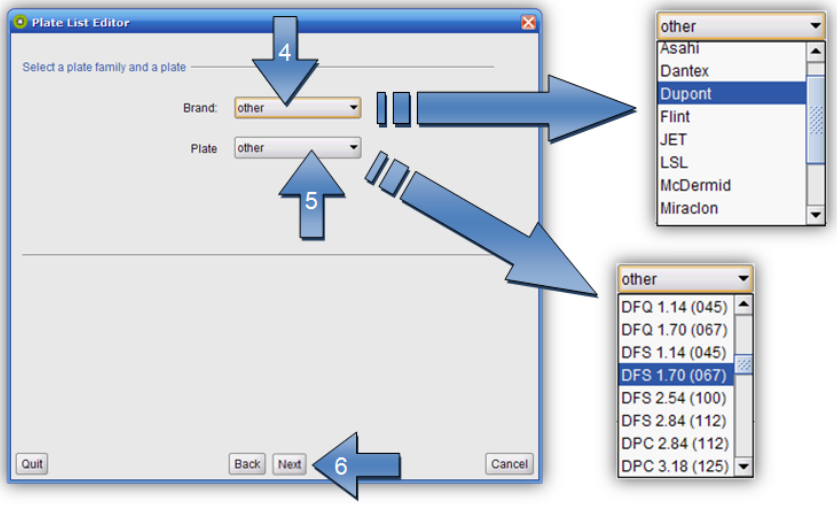
7.7.1 Creating a New Plate

First select the desired medium ***"Plate Type"*** (1), then check ***"New"*** (2) and press ***"Next"*** (3) to go to the next menu:

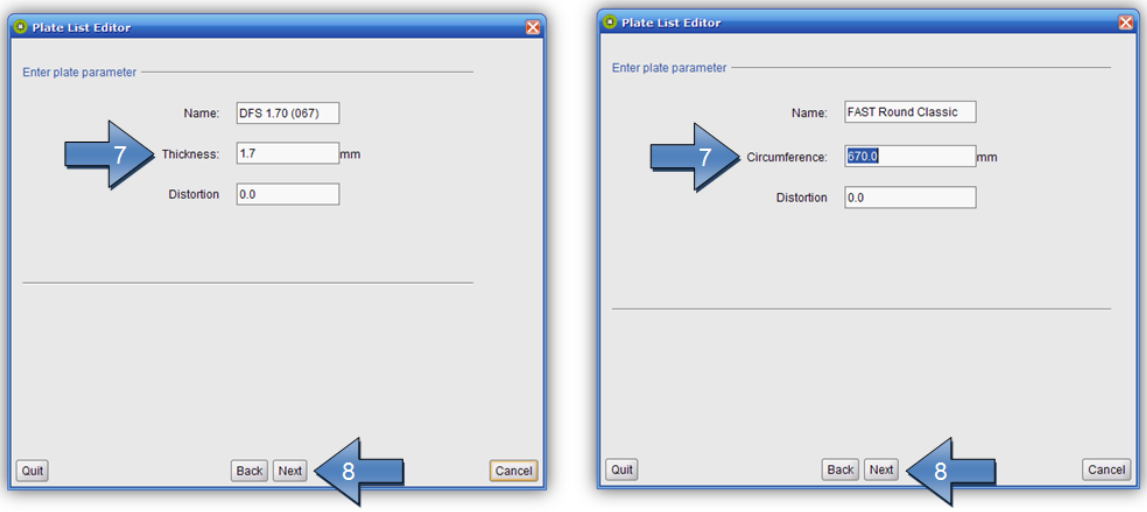


- "Plate" – Flexo Plates
- "Sleeve" – print sleeve of DuPont and Flint
- "Plate on Sleeve" – Flexo plates mounted on a print sleeve
- "Steel Base" – metal backing plate for magnetic drum
- "Film" – Film

A plate database is shown. When the desired plate manufacturer ***"Brand"*** (4) or the plate type ***"Plate"*** (5) are not available, the option ***"other"*** can be selected:

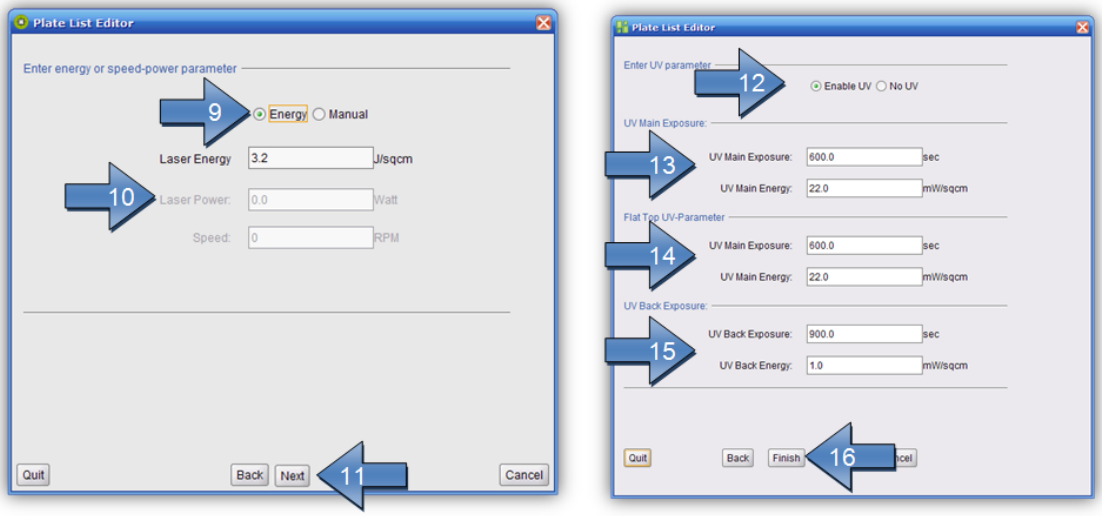


"Name" (7) determines the display name in the plate list and ***"Thickness"*** (7) the plate thickness. For sleeves, the circumference is entered in the ***"Circumference"*** field (7):



Additionally, the output in the ***"Distortion"*** field (7) can be distorted in circumference direction. The input is made as a percentage. If you enter "5.0", the output is enlarged by 5 percent in circumference direction. Entering "-5.0" would downsize the output accordingly.

Under ***"Manual"*** (9), enter the values for ***"Speed"*** (10) and ***"Laser Power"*** (10). The setting ***"Energy"*** (9) sets the laser energy ***"Laser Energy"*** (10) and speed and performance are selected automatically according to the resolution:



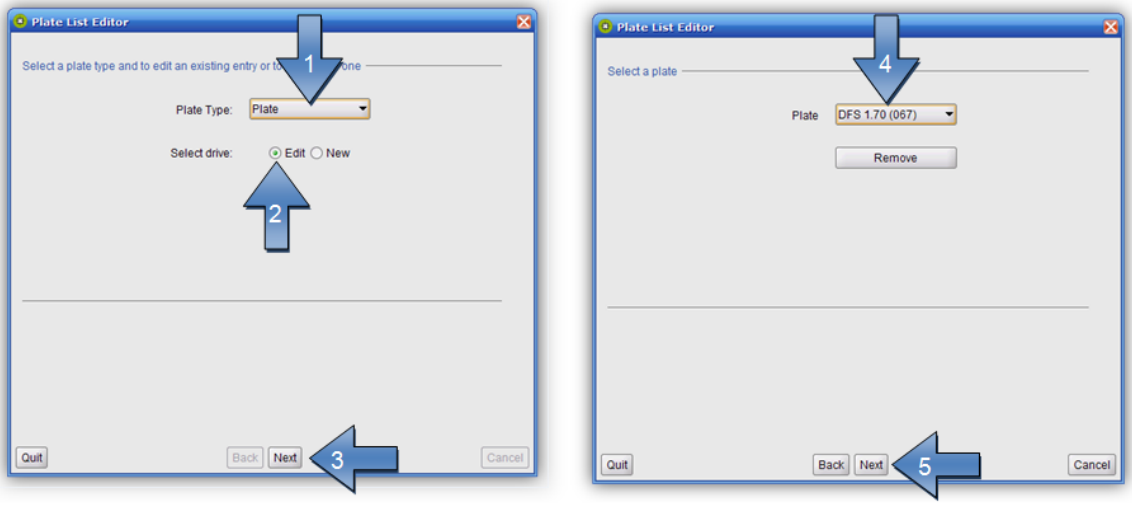
With Inline UV, enter for the front exposure the values ***"UV Main Exposure"*** (13) and ***"UV Main Energy"*** (13) and with automatons, enter for the back exposure the values ***"UV Back Exposure"*** (14) and ***"UV Back Energy"*** (14). You can disable the UV exposure by checking ***"No UV"*** (12).

UV2 exposure parameters are specified in section ***"FlatTop UV Parameters"*** (14) when the CDI has been prepared for UV2.

"Finish" (16) saves the plate.

7.7.2 Changing the Plate

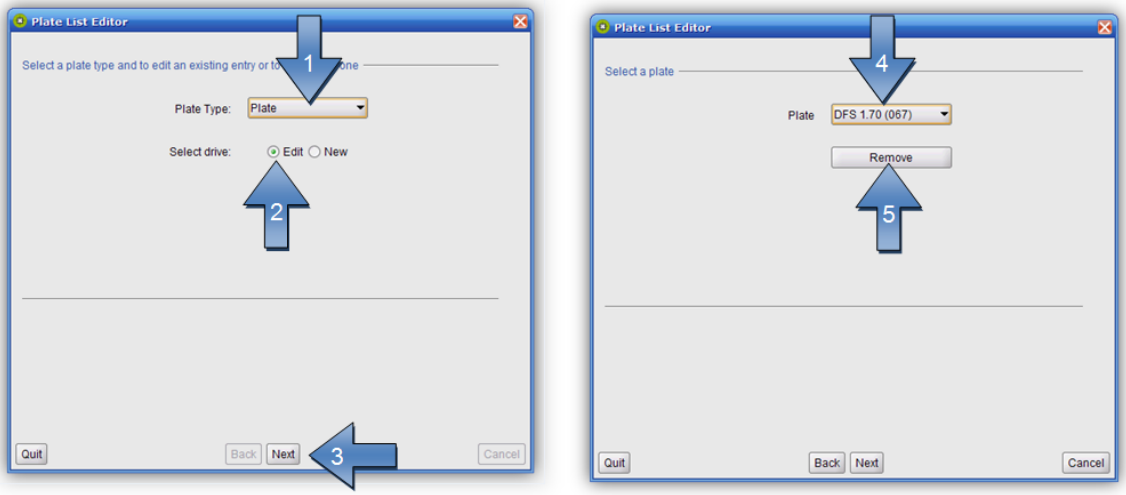
First select the desired medium ***"Plate Type"*** (1), then check ***"Edit"*** (2) and press ***"Next"*** (3) to go to the next menu:



After setting the desired ***"Plate"*** (4), you can change all parameters except for the plate name. ***"Next"*** opens the next menu.

7.7.3 Deleting the Plate

First select the desired medium ***"Plate Type"*** (1), then check ***"Edit"*** (2) and press ***"Next"*** (3) to go to the next menu:

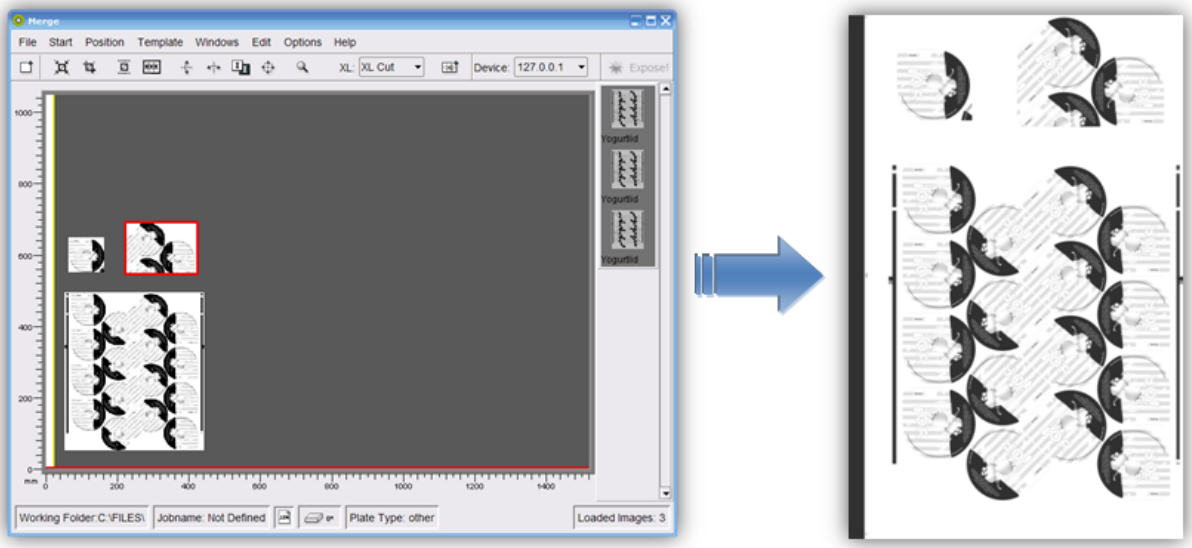


The desired plate ***"Plate"*** (4) is set and removed by pressing ***"Remove"*** (5).

7.8 Exposing Plate Borders

The *"Expose frames"* option can be activated in the basic settings of the "Merger" under *"Edit – Preferences…"*, giving the plate more stability in the washer.

The left and the right border can be set in the *"Drum Window"* and is now shown in white. When the TIF output is negative, the border is displayed in black.



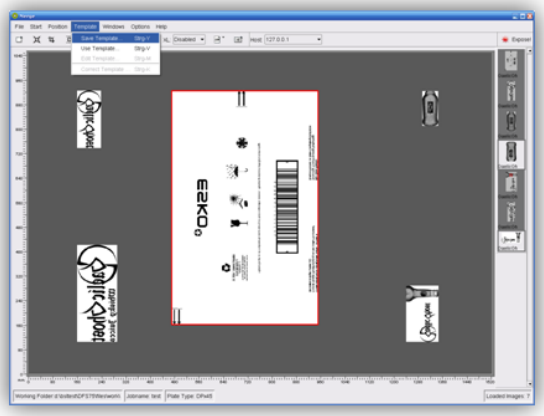
7.9 Templates

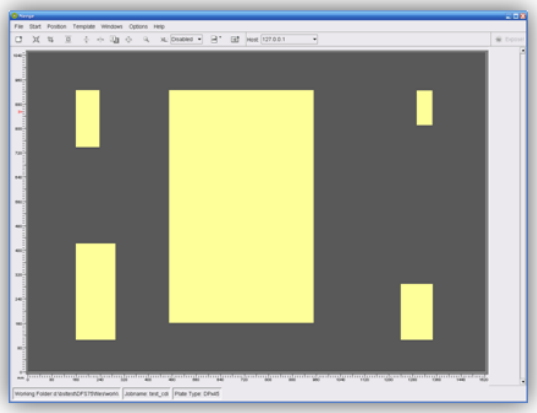
If these functions are not displayed, they can be activated in the basic settings.

The positions, image sizes, image resolution and plate parameters are stored in the template in order to position images quickly at a later time. This working mode is interesting for register pinwheels such as, for example, for Letterpress.

7.9.1 Creating a Template

To create a template, you first position the required images onto the working surface and then select the plate type. This compilation is then saved by pressing *"Save Template"*.





7.9.2 Loading a Template

"Use Template" loads the template. This is only possible when no other images are loaded in the "Merger".

The stored positions and sizes are shown as yellow fields. After loading the images, they can be positioned in the yellow fields.

The images must be within a certain size tolerance in order to be assigned to a field.

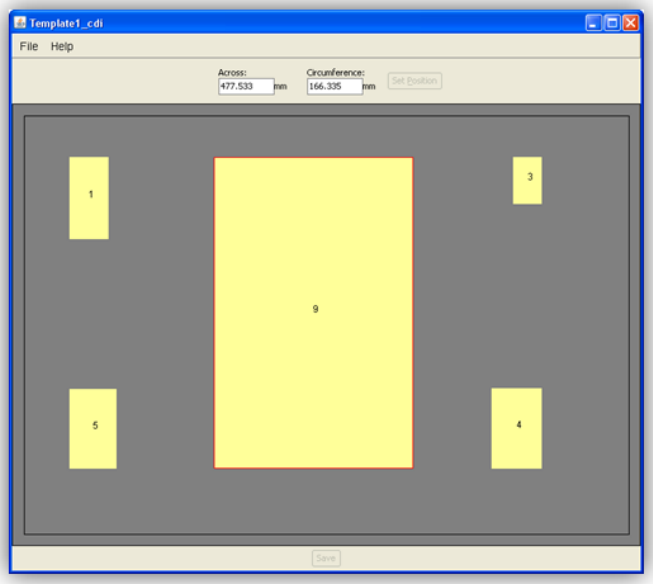
7.9.3 Modifying a Template

After loading the template and positioning all the images, the mask can be opened using *"Edit Template"*. Now you can change all parameters as required and save them using *"Save Template"*.

The modified template can now be loaded using *"Use Template*".

7.9.4 Moving a Template

"*Correct Template*" opens a new program in which the template can be loaded using "*File – Load Plate*".



The position of single or multiple images can be changed horizontally using *"Across"* and vertically using *"Circumference"*. The value is entered absolute or relative to the current position, ENTER is then pressed and the value is set using *"Set Position"*.

Multiple images can be marked by pulling a square lasso around the required images with the left mouse button pressed.

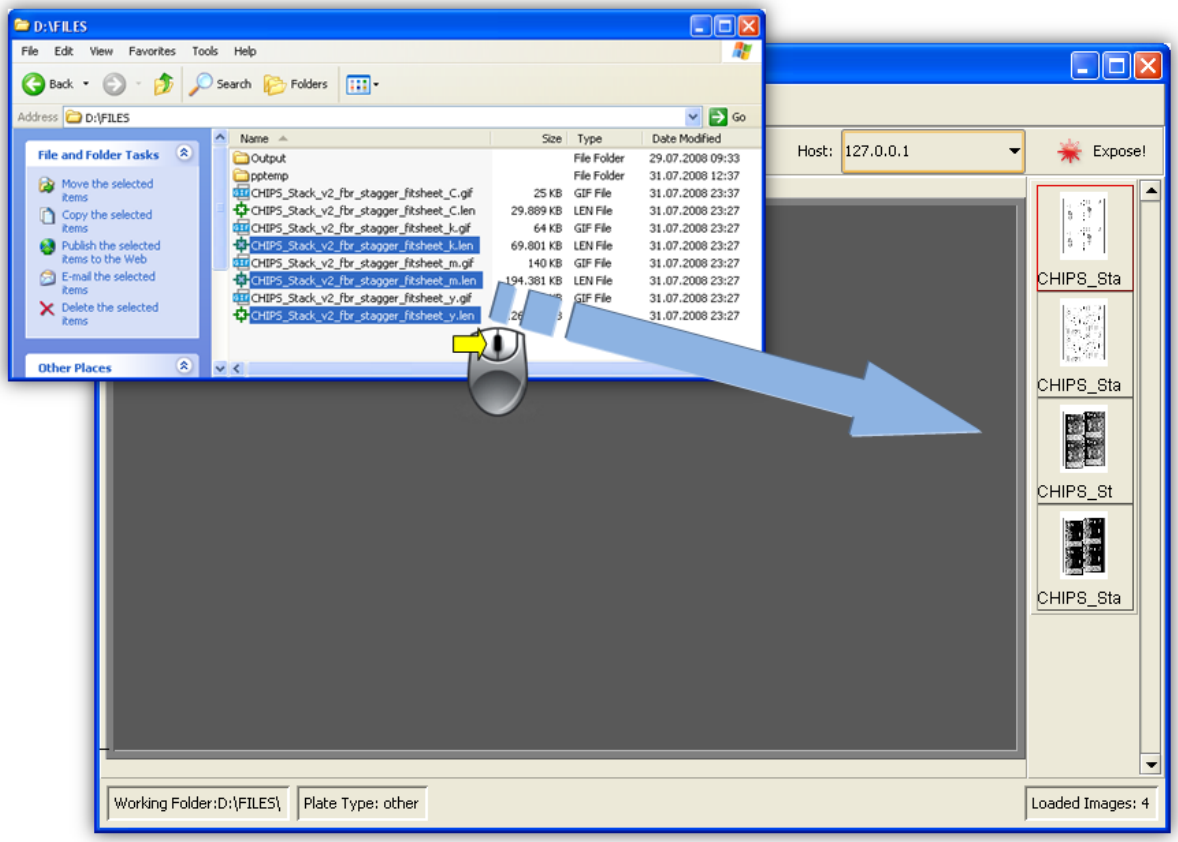
The template is saved by clicking the *"Save"* button.

7.10 Job Information in Brand New Format

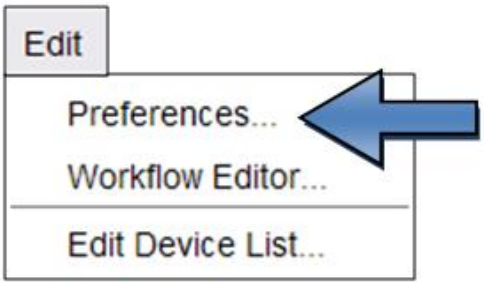
An HTML or XML file with the respective job name is created in the *"HTM Target Folder"* output directory for each sent job. All important information concerning the job is stored in that directory. The output directory "d:\files\output\html" is preset. From version 10.0 upwards, the sent images are displayed.

7.11 Loading Images via "*Drag & Drop*"

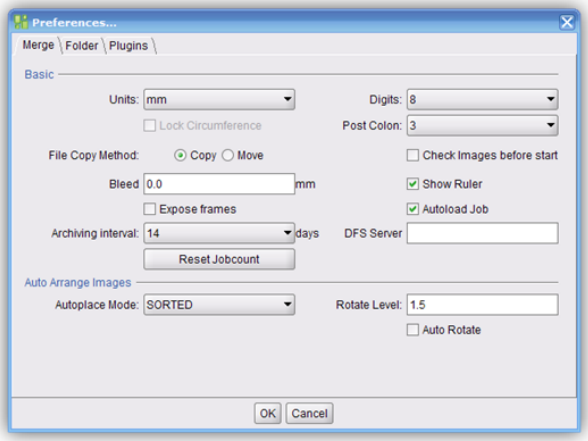
Image files (LEN and TIF) can directly be dragged into the right image bar of the "Merger" from the Windows Explorer. First, the data is copied into the working directory, then it is loaded. If the *"Ctrl"* key is pressed at the same time, the files are always copied.

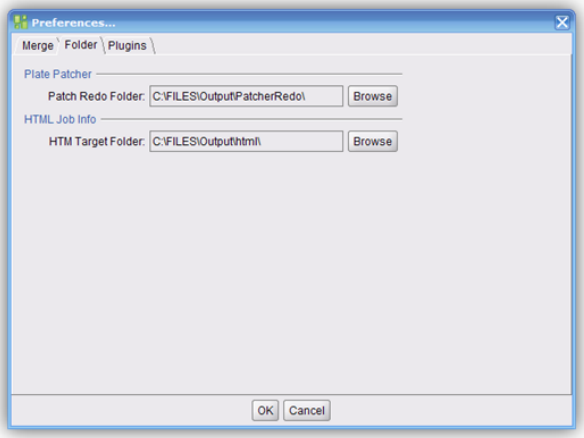


7.12 Basic Merger Settings



The basic settings of the "Merger" can be changed via the menu item *"Edit – Preferences…"*:





"Units" switches between "mm" and "inch".

"Digits" and *"Post colon"* set the amount of numbers and/or decimal points.

"Lock circumference" blocks entry of the drum circumference in order to avoid unintentionally changing it.

"Check Images before start" checks the images of all outgoing jobs.

"File copy method" sets the behaviour while loading images. With the setting "*Copy*", the files are always copied, if "*Move*" is selected, they are deleted from the source directory.

"Bleed" sets the border during automatic cropping.

"Expose left frame": When activated, the left border is exposed to provide more stability for the washer.

"Show Ruler" activates or deactivates the ruler.

When restarting the "Merger", *"Autoload Job"* actuates automatic loading of the last job.

"Archiving Interval:" determines the number of days after which the HTML overview files and the files of the directory "Mergelog" are archived in a ZIP file.

"DFS Server": enter IP number or computer name of DFS server. The DFS server provides LEN files in Job Definition Format (JDF).

"Autoplace mode:" sets the method (mode) of how the images are automatically arranged on the work surface. *"Permutation"*, *"Random"*, *"Sorted"*, *"MDB" and "FFDH"* can be selected as mode. MDB arranges the images which allows for easy cropping later on.

"Auto Rotate" activates the rotation of up to 7 images during automatic positioning. The selection of these images is via the aspect ratio using *"Rotate Level"*.

In the *"Folder"* window, the preset output directories can be changed.

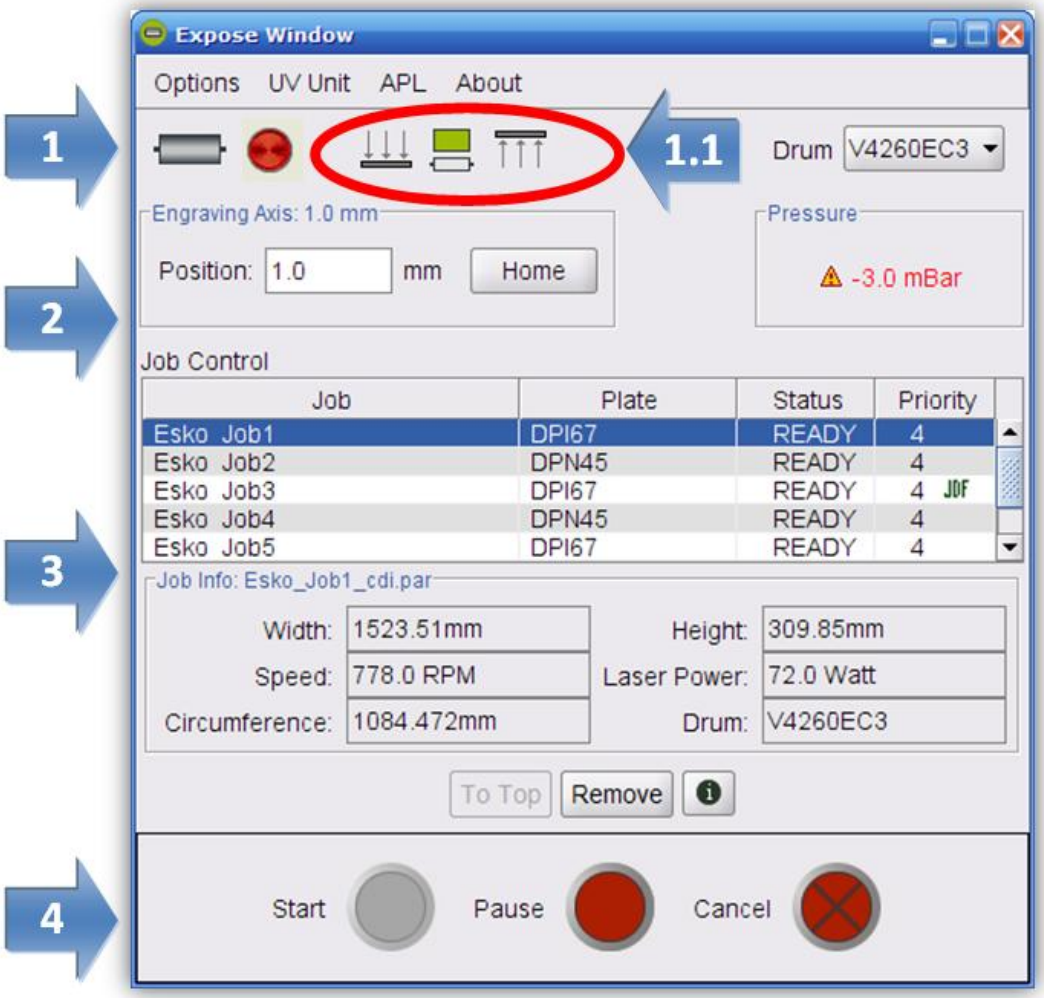
The job information is saved in the *"HTM Target Folder"* directory.

The "Merger" must be restarted after any change.

8 Exposer

The "Exposer" starts the jobs sent from the "Merger". In addition, a focus search or, for sleeves, a zero point search can be performed here.

The "Exposer" is divided into four main areas:



Area 1: status displays and controls

1.1: displays for Inline UV and automaton

Area 2: vacuum display and position control

Area 3: job list and status display

Area 4: machine control

8.1 Status Displays and Controls

The CDI status is displayed with icons. Depending on the version, the status of the UV exposure and the automaton can be displayed here.

If several drums are registered, the currently used drum can be selected in the *"Drum"* field.

When using "Advance Cantilever", an automatic search for the clamping bar is carried out as soon as "Drum Sleeve" is selected.

8.2 Vacuum Display and Position Control

"Engraving Axis" displays the current position of the laser. The desired start position for the imaging process is entered in the *"Position"* field and run by pressing [ENTER]. *"Home"* moves the laser back to 1 mm.

"Pressure" displays the vacuum. For full plates, a vacuum of over 900 mbar is required. The engraving process cannot be started unless the required value has been reached. For partial plates, the vacuum is not analysed since the speed was reduced to a safe value.

8.3 Job List

The *"Job"* name, the *"Plate"* type and the job *"Status"* are displayed for each job:

Completed job.

Imaging has started.

Imaging has stopped.

The job contains parameters for UV front exposure.

The job contains parameters for UV back exposure.

Data is loaded.

Error when transferring data.

JDF Job status is shown in the AE10.1 Pilot.

Repetition after exposure is not possible

Information on *"Width"*, *"Height*", *"Speed"*, *"Laser power"*, *"Circumference"* and *"Drum"* is displayed in the *"Job Info:"* field for the selected job.

"To top" can be used to move the job selected to the top position for imaging. *"Remove"* deletes the selected job.

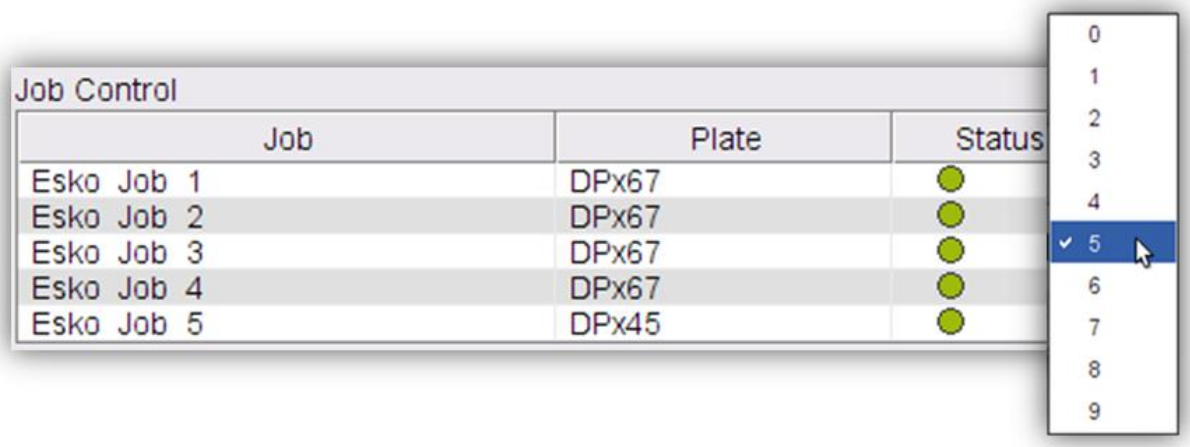
A click of the right mouse button on the job shows additional information.

Right-clicking on the priority changes the position of the job, even during operation.

8.4 Machine Controls

- **Start** Start the selected job.
- **Pause** Stop the current imaging process.
- **Pause** Cancel the current imaging process.

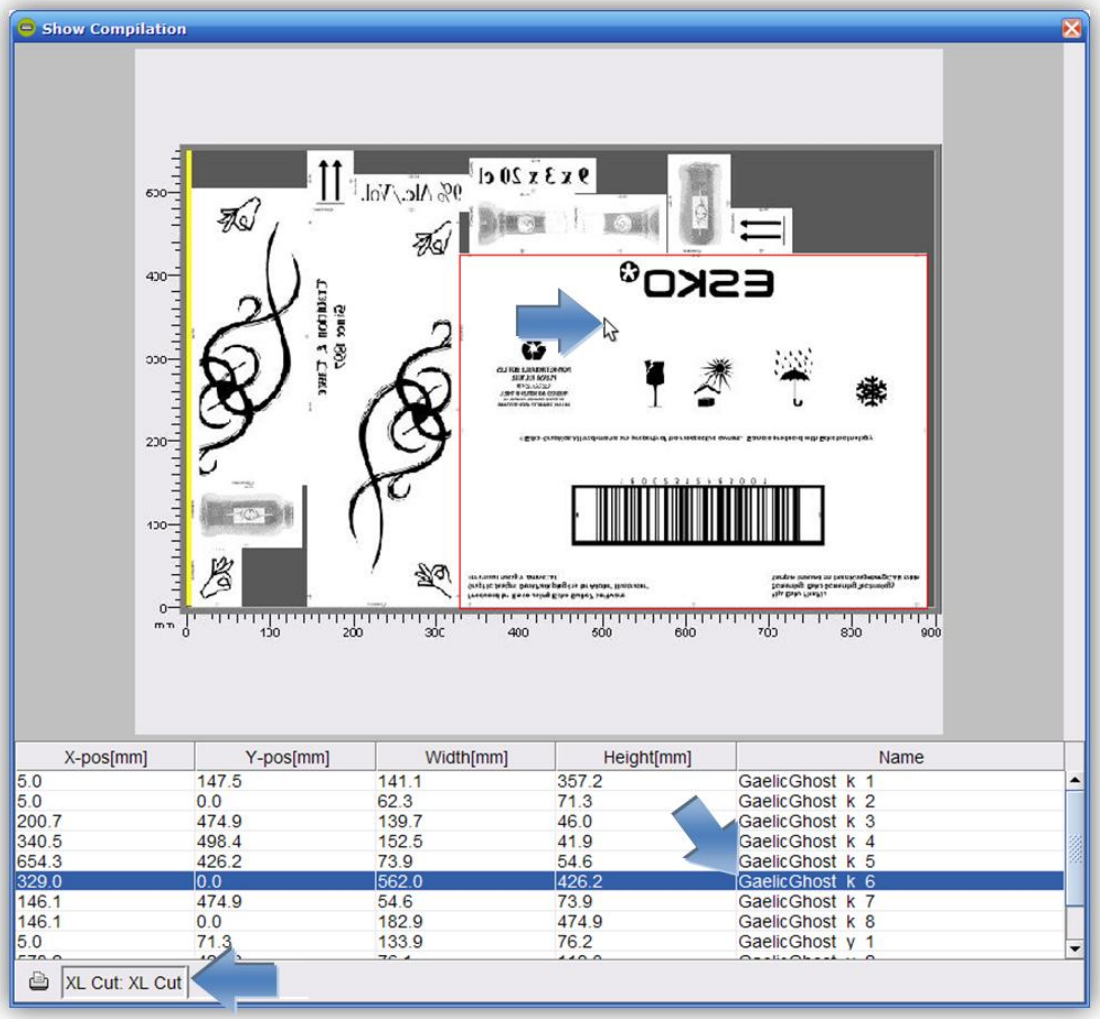
8.5 Changing the Priority



By right-clicking into the status column, you can change the position of a job during operation.

8.6 Job Information

opens a new window with the job overview.


Show Compilation
X-pos[mm] Y-pos[mm] Width[mm] Height[mm] Name
5.0 147.5 141.1 357.2 GaelicGhost k 1
5.0 0.0 62.3 71.3 GaelicGhost k 2
200.7 474.9 139.7 46.0 GaelicGhost k 3
340.5 498.4 152.5 41.9 GaelicGhost k 4
654.3 426.2 73.9 54.6 GaelicGhost k 5
329.0 0.0 562.0 426.2 GaelicGhost k 6
146.1 474.9 54.6 73.9 GaelicGhost k 7
146.1 0.0 182.9 474.9 GaelicGhost k 8
5.0 71.3 133.9 76.2 GaelicGhost y 1
XL Cut: XL Cut

When the mouse is above an image in the upper overview, the respective list entry is highlighted.

The list contains the positions, dimensions and names of the job images.

In the lower status bar, the XL CUT name and the template name are displayed. Furthermore, the overview can be printed by clicking on the printer icon.

This information is only available if the job on the CDI was sent or the PlatePrep corresponds at least with the "Version 10 Patch 2".

8.7 Starting a Job

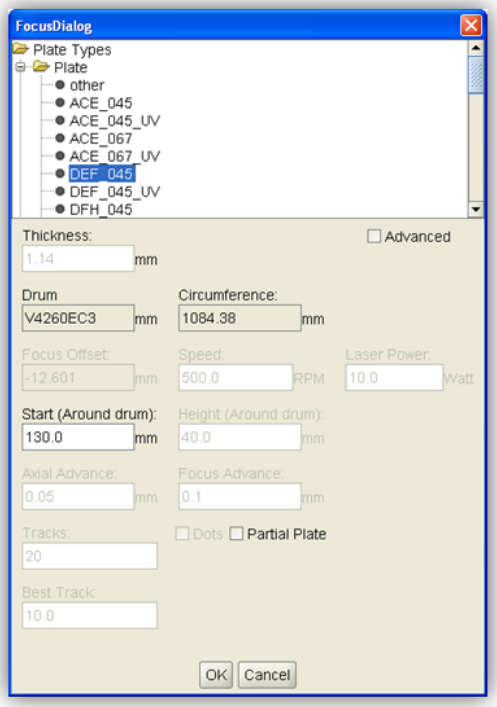
The desired job is selected from the list and run with the *"Start"* button. The job's remaining time is displayed on the bottom of the status bar.

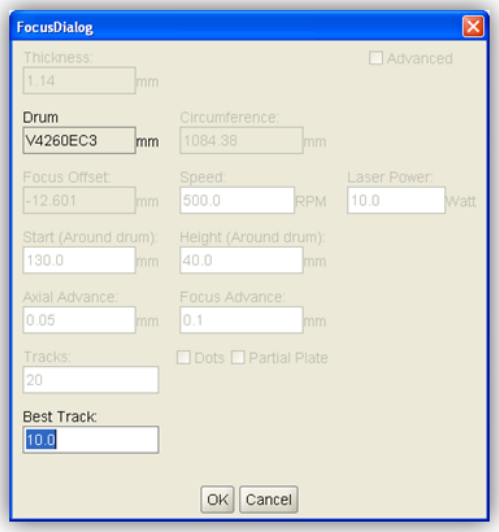
"Pause" stops the engraving. *"Start"* can be used to resume it, but may cause a seam in the imaging. *"Cancel"* cancels the job.

When the exposure is completed, a dialog window is displayed where the job can be deleted or put back into the queue.

8.8 Focus Search

The focus search is used to set the distance of the laser to the plate in place. The focus setting is very important for achieving the optimum imaging quality:





The plate in place has to be selected under *"Plate Types"*. The start of the focus search is set using *"Start (Around drum)"*.

For partial plate mode, the *"Partial Plate"* option has to be activated.

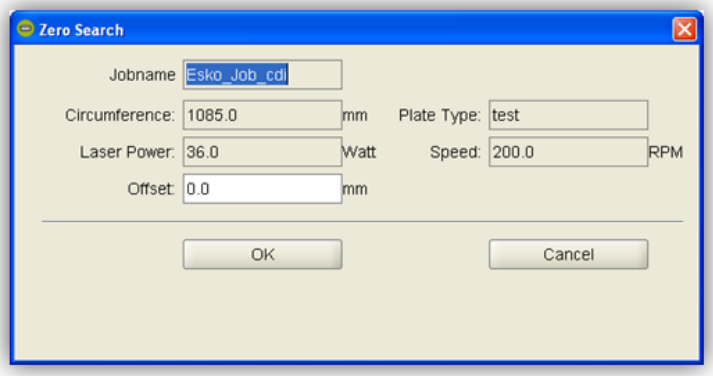
The focus search is lined up as new job in the Exposer by clicking on *"OK"* and started as normal job in the "Exposer".

The deactivated input fields can be enabled using the *"Advanced"* button.

When the focus search is ended, dialog box "FocusDialog" is displayed in which the position of the thinnest line in the focus field *"Best Track"* has to be entered. *"OK"* changes the focus setting in line with the input.

8.9 Zero Point Search for "Sleeves"

To determine the zero point on a sleeve, the job to be exposed is lined up in the "Exposer" first and then the zero point search is started via "Options". The parameters are displayed in a new window; an *"Offset"* can be entered in advance:



By pressing "OK", the job "Zero_esko_special" is lined up in the "Exposer". A ruler will be engraved on the sleeve. The zero point on the ruler corresponds to the zero point of the sleeve.

8.10 Determining the UV2 Parameters ("Step Test")

For each plate type, the UV2 parameters must be determined.

The ***"Step Test"*** uses the first job in the exposer to automatically develop a test series with ten different UV2 parameters.

To do so, the top job must have been created using the UV2 option and must still fit on the plate after the broadening.

After printing this plate, the determined UV2 parameter is loaded into the system by ESKO service technicians.

8.11 UV Exposure "UV Inline" (Option)

"UV Inline" exposes the upper side of the plates. This function can be activated or deactivated via *"UV Unit"*. When the CDI is restarted, the UV exposure is automatically activated unless the external cooler is switched off.

The service technician adapts the UV parameters for the desired plate types. If no UV parameters are adapted for some plates, they will be started without UV exposure. If the UV unit is deactivated, a warning is displayed when starting the exposure if UV parameters are available for this plate type.

The status of the UV unit is displayed with the following icons:

UV unit activated

UV exposure activated

8.12 UV Back Exposure (Option for Automaton)

The UV back exposure is available as an option for the automaton. This function can be activated or deactivated via *"UV Unit"*. When the CDI is restarted, the UV back exposure is automatically activated.

The service technician adapts the UV parameters for the desired plate types. If no UV parameters are adapted for some plates, they will be started without UV back exposure.

The status of the UV back exposure unit is displayed with the following icons:

UV back exposure unit activated

UV back exposure activated

8.13 Control and Status Display of the Automaton

Under "APL", the automatic function of the automaton can be activated or deactivated. The status of the automaton is displayed with the following icons:

No plate loaded.

The plate is located on the drum.

The plate is located in the tray.

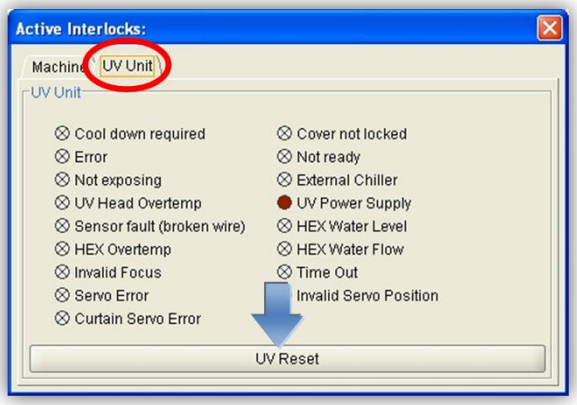
The plates are located on the drum and in the tray.

8.14 Interlocks and Errors

An active interlock prevents imaging from starting and is symbolised in the "Exposer" by a crossed-out drum:

Left-clicking this icon updates the interlock display. Active machine errors and interlocks are displayed in the section *"Active Interlocks"* with a red point.

UV system errors are displayed in the section *"UV Unit"* and can only be reset in this section by selecting the *"UV Reset"* button.



"Limit Switches" shows the status of the different axes and is only used as information.

If the vacuum is too weak, this is also displayed in the status display in the form of a red plate under the drum. The status is reset by clicking on the drum.

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